

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD0404	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 0404 Boggs	U	4.12				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.01		0.01	0.24%		
Encroachments					0.05	
Animal Control	0.40		0.40	9.71%		
Slope Stability	0.05		0.05	1.21%		
Erosion / Bank Caving	0.03		0.03	0.73%		
DWR Erosion Survey		0.30	1.20	29.13%		
<i>LMA Totals:</i>	0.49	0.30	1.69	41.02%	0.05	0.00

Unit No. 01 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	M	2.36				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.01		0.01	0.42%		
Animal Control	0.10		0.10	4.24%		
Slope Stability	0.05		0.05	2.12%		
Erosion / Bank Caving	0.03		0.03	1.27%		
DWR Erosion Survey		0.04	0.16	6.78%		
<i>Unit Totals:</i>	0.19	0.04	0.35	14.83%	0.00	0.00

Unit No. 02 French Camp Slough	Overall Unit Rating	Total Unit Miles				
	U	1.76				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Encroachments					0.05	
Animal Control	0.30		0.30	17.05%		
DWR Erosion Survey		0.26	1.04	59.09%		
<i>Unit Totals:</i>	0.30	0.26	1.34	76.14%	0.05	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2009 Levee Inspection Results

Reclamation District No. 0404 Boggs

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	2.36

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/30/2009		11/4/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By			Tom Rosten RD 404	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0404 Boggs

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Right	2.36	11/03/2009 11/03/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.21	0.25	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 2009: No Change observed; combined with RM40.93, 40.98, and 41.14 as one site; wave wash erosion; pocket developing just above toe rip rap; previously rated "U" [2009 SiteID:RD0404U1RM40.86]	37.939480 ° -121.342730 °	37.939480 ° -121.342730 °	1
2	0.24	0.27	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	37.939430 ° -121.342620 °	37.939430 ° -121.342620 °	6 Y
3	0.75	0.75	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	37.937758 ° -121.334149 °	37.937758 ° -121.334149 °	7
4	0.91	1.18	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Regrade the crown roadway for proper drainage.	37.936090 ° -121.332320 °	37.934197 ° -121.328345 °	8
5	1.57	1.57	Supplemental	DWR Erosion Survey	WS	C	Inspector Comments: 2009: DWR Repair 2009 per CLR CES Evaluation Report; previously rated "M" [2009 SiteID:RD0404U1RM42.17]	37.928710 ° -121.327220 °	37.928710 ° -121.327220 °	2
6	1.57	1.67	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.928723 ° -121.327207 °	37.927945 ° -121.325933 °	9
7	1.62	1.67	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.928272 ° -121.326675 °	37.927945 ° -121.325936 °	10
8	1.85	1.86	Supplemental	DWR Erosion Survey	WS	C	Inspector Comments: 2009: DWR 2009 Repair per CLRO CES Evaluation Report; previously rated "M" [2009 SiteID:RD0404U1RM42.44]	37.925730 ° -121.324200 °	37.925730 ° -121.324200 °	3
9	1.98	1.99	Supplemental	DWR Erosion Survey	WS	C	Inspector Comments: 2009: DWR 2009 repair, per CLRO CES Evaluation 2008 Report; previously rated "M" [2009 SiteID:RD0404U1RM42.57]	37.923940 ° -121.323170 °	37.923940 ° -121.323170 °	4
10	2.17	2.17	Supplemental	DWR Erosion Survey	WS	C	Inspector Comments: 2009: DWR planned repair per CLRO CES Evaluation Report; combine with RM42.82 and 42.86; previously rated "M" [2009 SiteID:RD0404U1RM42.77]	37.921890 ° -121.321210 °	37.921890 ° -121.321210 °	5
11	2.21	2.21	Supplemental	DWR Erosion Survey	WS	C	Inspector Comments: 2009: DWR 2009 planned repair per CLRO CES Evaluation Report; previously rated "M" [2009 SiteID:RD0404U1RM42.82]	37.921494 ° -121.320564 °	37.921494 ° -121.320564 °	11

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	11/03/2009 11/03/2009	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	0.24
End Levee Mile	0.27
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion from LM 0.24 to 0.27

richard_20091104_28.jpg



Levee Mile Report Line	2
Start Levee Mile	0.24
End Levee Mile	0.27
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion at LM 0.27

richard_20091104_29.jpg



*** Location**

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CR : Crown

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U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 02 French Camp Slough			Right	1.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/30/2009		11/4/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By			Tom Rosten RD 404	

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Signature of LMA Representative

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Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0404 Boggs

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough						Right	1.76	11/03/2009 11/03/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.19	0.47	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.919543 ° -121.311432 °	37.919507 ° -121.311343 °	3
2	0.48	0.48	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.919525 ° -121.311193 °	37.919525 ° -121.311193 °	8
3	1.13	1.13	Earthen Levee	Encroachments	LS	C	Garbage Inspector Comments: sofa and other garbage at landside toe	37.916315 ° -121.301942 °	37.916315 ° -121.301942 °	4
4	1.13	1.13	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.916347 ° -121.301887 °	37.916347 ° -121.301887 °	11
5	1.32	1.58	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 2009: Recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; previously rated "U" [2009 SiteID:RD0404U2RM1.56]	37.918440 ° -121.297040 °	37.918440 ° -121.297040 °	1
6	1.47	1.52	Earthen Levee	Encroachments	LS	PO	Fences	37.918440 ° -121.296707 °	37.918517 ° -121.295763 °	6 Y
7	1.54	1.65	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Add appropriate gravel or road base. Grade and compact.	37.918468 ° -121.295340 °	37.917843 ° -121.293470 °	5

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Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	11/03/2009 11/03/2009	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	1.47
End Levee Mile	1.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fence at landside shoulder from LM 1.47 to 1.52

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*** Location**

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